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RECENT LITERATURE.

BOBRETZKY'S RESEARCHES ON THE DEVELOPMENT OF CEPHALOPODA.¹—This is an elaborate work on the development of the cuttle-fishes belonging to the genera *Loligo* and *Sepia*. It is based on thin sections of the eggs, and has every appearance, from the plates, of being a critical and exhaustive treatise. Although the text is in Russian, an explanation of the plates is given in German. It is unfortunate for the English reader that no synopsis of the points made by the author is given either in French or German. Professor Bobretzky is also the author of a work on the embryology of the Crustacea, published at Kiew in 1873, and of later works on the same subject. Russia is rapidly taking the foremost rank in zoölogy. In comparative embryology she is at this moment on the whole in advance of England, the United States, or France. Such embryologists as Kowalevsky, Metznikoff, Bobretzsky, Ganin, Melnikow, and Ussow, nearly all, we believe, trained in German universities, have carried Russian biological science to high-water mark.

NINTH ANNUAL REPORT OF THE U. S. GEOLOGICAL AND GEOGRAPHICAL SURVEY OF THE TERRITORIES.²—This Report shows the work done by the Survey in Colorado during 1875. Dr. Hayden announces that a map of the State is nearly ready, and when finished "Colorado will have a better map than any other State in the Union, and the work will be of such a character that it will never need to be done again. Colorado will never support so dense a population that a more detailed survey will be required."

The Report forms a bulky volume of over eight hundred pages. Part I., *Geology*, contains the report of Dr. C. A. Peale, F. M. Endlich and W. H. Holmes, and B. F. Mudge. Part II., *Geography and Topography*, comprises the reports of A. D. Wilson, Henry Gannett, G. B. Chittenden and G. R. Bechler. Part III., *Zoölogy*, contains the History of the American Bison, by J. A. Allen, and a Report on the Rocky Mountain Locust and other Insects now injuring or likely to injure Field and Garden Crops in the Western States and Territories, by A. S. Packard, Jr.

LIST OF THE VERTEBRATED ANIMALS IN THE LONDON ZOÖLOGICAL GARDEN.³—This list forms a bulky volume, handsomely illustrated with

¹ *Untersuchungen über die Entwicklung der Cephalopoden.* Von DR. N. BOBRETZKY aus Kiew. (Nachrichten der K. Gesellschaft der Freunde der Naturerkenntniss, Anthropologie und Ethnographie bei der Universität Moskow. Bd. xxiv. Heft 1, Moscow, 1877. 4to, pp. 73, with ten plates.

² *Ninth Annual Report of the U. S. Geological and Geographical Survey of the Territories, embracing Colorado and Parts of adjacent Territories.* Being a Report of Progress of the Exploration for the year 1875. By F. V. HAYDEN, U. S. Geologist. Washington, 1877. 8vo, pp. 827, with seventy plates and numerous maps.

³ *List of the Vertebrated Animals now or lately living in the Gardens of the Zoölogical Society of London.* Sixth edition. 1877. London. 8vo, pp. 519.